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(54) Title: PARTICLE FORMATION METHODS AND THEIR PRODUCTS

(57) Abstract: Preparation of particles of an active substance having a layer of an additive at the particle surfaces, by dissolving both the active substance and the additive in a vehicle to form a target solution, and contacting the target solution with an anti-solvent fluid using a SEDSTM particle formation process, to cause the active substance and additive to coprecipitate. The additive is typically a protective additive, in particular a taste and/or odour masking agent. Also provided is a particulate coformulation made by the method, which has a finite gradient in the relative additive concentration, which concentration increases radially outwards from the active rich core to the additive-rich surface of the particles.

INTERNATIONAL SEARCH REPORT

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 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K9/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS Data, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 795 594 A (HANNA MAZEN ET AL) 18 August 1998 (1998-08-18) column 1, line 6 - line 9 column 2, line 21 - line 35 column 2, line 47 - line 62 column 3, line 45 - column 4, line 7 column 5, line 37 - line 56 column 8, line 8 - line 18; examples 10,14 column 21, line 21 - line 25 column 21, line 43 - line 44; claims 1,11,15; examples 10,14 --- -/--	1-5,9, 10,12, 20-24, 28,31, 33,38, 39, 41-43,45

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 5 424 076 A (GORISSEN ELKE ET AL) 13 June 1995 (1995-06-13)</p> <p>column 2, line 28 - last line; claims; examples 1,2</p>	<p>1-5, 16-24, 27-31, 37, 40-43,45</p>
X	<p>WILKINS S A ET AL: "THE FORMATION OF INDOMETHACIN: POLYMER CO-PRECIPITATES BY THE SOLUTION ENHANCED DISPERSION BY SUPERCRITICAL FLUIDS (SEDS) PROCESS" JOURNAL OF PHARMACY AND PHARMACOLOGY, GB, LONDON, ✓ vol. 51, no. SUPPL, 1999, page 291 XP000905174 ISSN: 0022-3573 the whole document</p>	<p>1-3,5,9, 20,21, 23,24, 27-31, 41-45</p>
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